

**From:** Glenn, Barbara [Glenn.Barbara@epa.gov]  
**Sent:** 5/25/2016 5:27:00 PM  
**To:** Fritz, Jason [Fritz.Jason@epa.gov]; Vulimiri, Suryanarayana [Vulimiri.Sury@epa.gov]; Subramaniam, Ravi [Subramaniam.Ravi@epa.gov]  
**CC:** Kraft, Andrew [Kraft.Andrew@epa.gov]  
**Subject:** addl papers on DPX and other  
**Attachments:** Lai et al -Swenberg- Cancer Research online 3-17-2016 0008-5472.CAN-15-2....pdf; Starr and Swenberg 2016.pdf

## Ex. 5 Deliberative Process (DP)

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Maybe there are others as well.

Ravi, I believe that you have read this paper and this is on your radar to incorporate.

Jason and Sury, it would be great if you read the article on DPX and formed an opinion about if we need to alter any discussions in the main document or appendix and what the message should be. Sury: toxicokinetics, genotoxicity; Jason: cancer MOA

Also, Jason, there also was a paper about role of endogenous formaldehyde in causing leukemia.

Ex. 5 Deliberative Process (DP)

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We can have a brief discussion to decide at some point.

Thank you, Barbara

**From:** Subramaniam, Ravi  
**Sent:** Friday, March 18, 2016 6:42 PM  
**To:** Bussard, David <Bussard.David@epa.gov>; Fritz, Jason <Fritz.Jason@epa.gov>  
**Cc:** White, Paul <White.Paul@epa.gov>; Cogliano, Vincent <cogliano.vincent@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>; Kraft, Andrew <Kraft.Andrew@epa.gov>; Glenn, Barbara <Glenn.Barbara@epa.gov>; Vulimiri, Suryanarayana <Vulimiri.Sury@epa.gov>  
**Subject:** RE: Swenberg paper coming out today

David:

## Ex. 5 Deliberative Process (DP)

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--Ravi.

Ravi Subramaniam, PhD / Chief (acting), Toxic Effects Branch-IRIS, NCEA-ORD, EPA.  
Room PYS-11782/ Ph: (703) 347-8606

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**From:** Bussard, David  
**Sent:** Thursday, March 17, 2016 12:10 PM  
**To:** Subramaniam, Ravi <[Subramaniam.Ravi@epa.gov](mailto:Subramaniam.Ravi@epa.gov)>; Fritz, Jason <[Fritz.Jason@epa.gov](mailto:Fritz.Jason@epa.gov)>  
**Subject:** FW: Swenberg paper coming out today

This seems to document what Swenberg has been presenting, which is useful.

Interesting to note his argument that DNA protein cross-links persist, accumulate, and are highly mutagenic.

## Ex. 5 Deliberative Process (DP)

# Ex. 5 Deliberative Process (DP)

David

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**From:** Bussard, David  
**Sent:** Thursday, March 17, 2016 11:41 AM  
**To:** Flowers, Lynn <[Flowers.Lynn@epa.gov](mailto:Flowers.Lynn@epa.gov)>; Subramaniam, Ravi <[Subramaniam.Ravi@epa.gov](mailto:Subramaniam.Ravi@epa.gov)>; Kraft, Andrew <[Kraft.Andrew@epa.gov](mailto:Kraft.Andrew@epa.gov)>; Glenn, Barbara <[Glenn.Barbara@epa.gov](mailto:Glenn.Barbara@epa.gov)>; Jason Fritz <[Fritz.Jason@epa.gov](mailto:Fritz.Jason@epa.gov)>  
<[Fritz.Jason@epa.gov](mailto:Fritz.Jason@epa.gov)>; Caldwell, Jane <[Caldwell.Jane@epa.gov](mailto:Caldwell.Jane@epa.gov)>  
**Subject:** RE: Swenberg paper coming out today

Thanks Lynn,

I just checked the journal page. I assume it is the attached.

David